



Material - Gravity Waspaloy

Standard Specification for Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity Waspaloy Alloy Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 - 0.100	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.150 max.		
Manganese	Mn %	0.100 max.		
Chromium	Cr %	18.000 - 21.000		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	3.500 - 5.000		
Phosphorus	P %	0.015 max.		
Cobalt	Co %	12.000 - 15.000		
Copper	Cu %	0.100 max.		
Aluminium	Al %	1.200 - 1.600		
Boron	B %	0.003 - 0.010		
Titanium	Ti %	2.750 - 3.250		
Zirconium	Zr %	0.020 - 0.080		
Iron	Fe %	2.000 max.		
Nickel	Ni %	Balance		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Waspaloy	SAE	USA	Bar, Forging and Ring
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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